

Pressure equaliser art. VAR 00



The hydraulic separator (also known as pressure equaliser) has the purpose to make boiler primary circuit and distribution secondary circuit independent of each other, by equating pressures at the secondary inlet and outlet. In this way, primary and secondary circuits are independent from an hydraulic viewpoint thus avoiding irregular operating conditions due to the reciprocal interference among pumps installed on different circuits. Hydraulic separator VAR 00 is designed to be used within a VARIMIX distribution system, but it is suitable to any heating/cooling system in general. Besides giving the system hydraulic stability, VAR 00 also allows to eliminate air bubbles and to remove dirt from the bottom, thus making the plant life longer. Moreover, VAR 00 features thermometer and thermomanometer connections both on the front and on the rear - which makes it suitable for right- or left-supply.

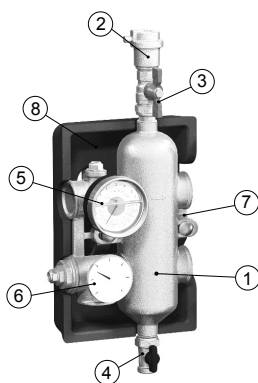
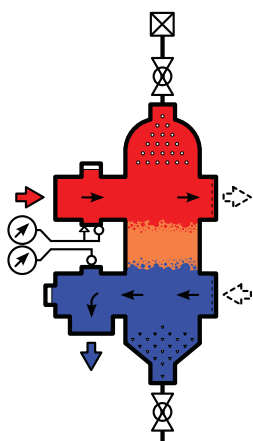
■ TECHNICAL FEATURES

Max operating temperature: 120 °C
 Max operating pressure: 10 bar
 Max flow rate: 4500 l/h
 Thermometer range: 0 ÷ 120 °C
 Thermomanometer: 0 ÷ 120 °C, 0 ÷ 6 bar

■ MATERIALS

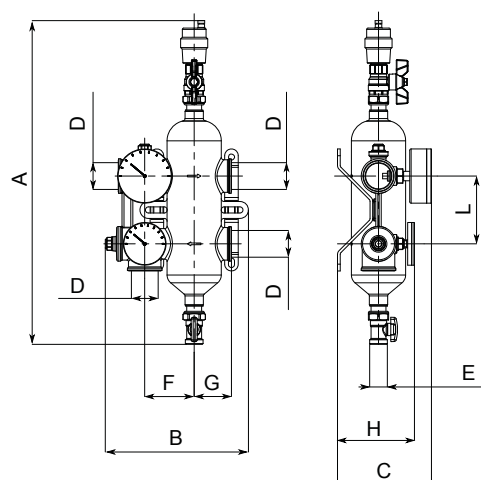
Body: CB753S
 O-ring: peroxide EPDM
 Other brass components: CW617N
 Supports: FeP13 EU 111 UNI 5867
 Insulating shell: expanded PE

■ MAIN COMPONENTS



1. Pressure equaliser
2. Automatic air vent valve
3. Red cut-off ball valve
4. Ball valve for water/dirt discharge
5. Primary inlet thermomanometer
6. Primary outlet thermometer
7. Support brackets
8. Insulating shell

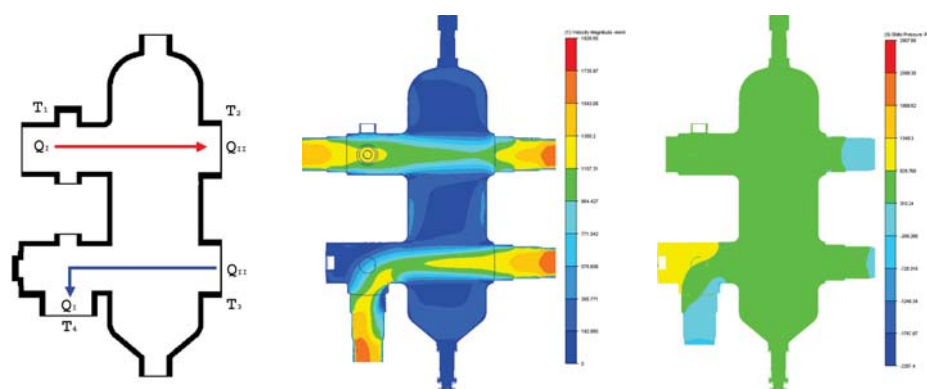
DIMENSIONS



ART.	COD.	A	B	C	D	E	F	G	H	L
VAR 00	550600	478	211	139	1 1/4"	3/4"	73	55	114	100

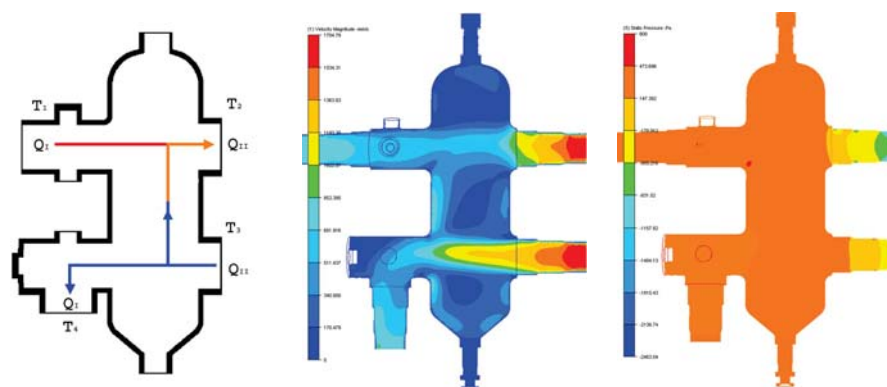
HYDRAULIC FEATURES

Case 1. $Q_I = Q_{II}$



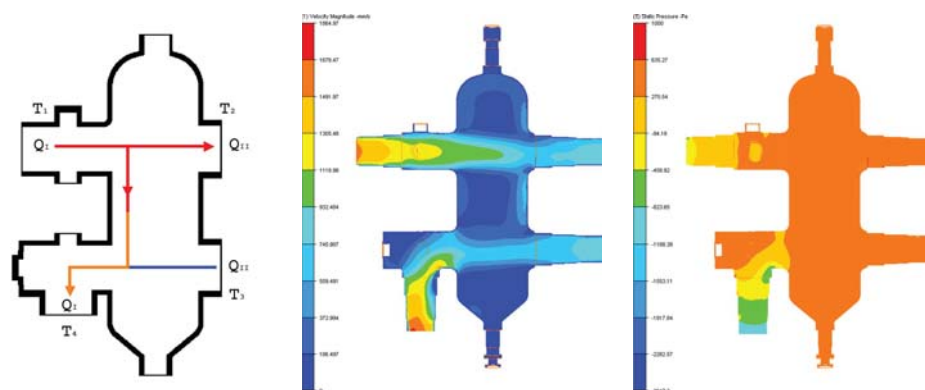
Primary and secondary flow rates are the same $\rightarrow T_1 = T_2$ and $T_3 = T_4$.

Case 2. $Q_I < Q_{II}$



Primary flow rate is lower than secondary $\rightarrow T_1 > T_2$ and $T_3 = T_4$.

Case 3. $Q_I > Q_{II}$

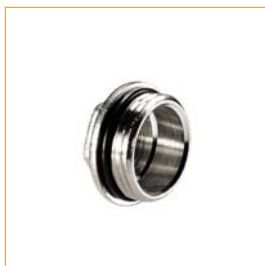


Primary flow rate is higher than secondary $\rightarrow T_1 = T_2$ and $T_3 < T_4$.

■ ACCESSORIES



AC 606-AC 606N.
Turning nipple 1
1/4" \times 1 1/4" (yellow
or nickel-plated
surface).



AC 600-AC 600N. Male
plug 1 1/4" (yellow or
nickel-plated surface).

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